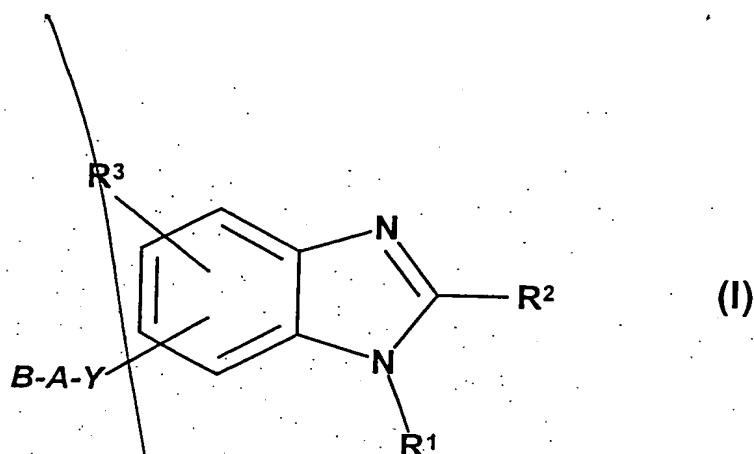


Claims

1.



in which

R^1 means a monocyclic or bicyclic C_{6-12} aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-4 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br, I,

$C(NH)NH_2$, $C(NH)NHR^4$, $C(NH)NR^4R^{4'}$, $C(NR^4)NH_2$, $C(NR^4)NHR^{4'}$,

$C(NR^4)NR^4R^{4'}$,

XOH , XOR^4 , $XOCOR^4$, $XOCONHR^4$, $XOCOOR^4$,

$XC(NOH)R^4$, $XC(NOR^4)R^{4'}$, $XC(NO(COR^4))R^{4'}$

XCN , $XCOOH$, $XCOOR^4$, $XCONH_2$, $XCONR^4R^{4'}$, $XCONHR^4$, $XCONHOH$,

$XCONHOR^4$, $XCOSR^4$

XSR^4 , $XSOR^4$, XSO_2R^4 ,

SO_2NH_2 , SO_2NHR^4 , $SO_2NR^4R^{4'}$,

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NO_2 , XNH_2 , XNHR^4 , $\text{XNR}^4\text{R}^{4'}$, XNHSO_2R^4 , $\text{XN}(\text{SO}_2\text{R}^4)\text{SO}_2\text{R}^{4'}$,
 $\text{XNR}^4\text{SO}_2\text{R}^{4'}$,
 XNHCOR^4 , XNHCOOR^4 , XNHCONHR^4 , tetrahydro-2,5-dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl,
2,7-dihydro-2,7-dioxoisoindol-1-yl, R^4 ,
whereby two substituents at R^1 , if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl,

R^2 means a monocyclic or bicyclic C_{6-10} aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-4 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br, I,

XOH, XOR⁴, XOCOR⁴, XOCOCONHR⁴, XOCOOOR⁴,
 XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R⁴', XC(NO(COR⁴))R⁴',
 XCOOH, XCOOR⁴, XCONH₂, XCONHR⁴, XCONR⁴R⁴', XCONHOH,
 XCONHOR⁴, XCOSR⁴,
 XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R⁴',
 NO₂, XNHR⁴, XNR⁴R⁴', XNHSO₂R⁴, XN(SO₂R⁴)SO₂R⁴',
 XNR⁴SO₂R⁴', tetrahydro-2,5-dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl, 2,7-dihydro-2,7-dioxoisoindol-1-yl, R⁴,

*Sub
B
cont*

whereby two substituents at R², if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediyl-bisoxy, ethane-1,2-diylbisoxy, propane-1,3-diyl, butane-1,4-diyl,

R³ means one or two substituents, which form, independently of one another:

hydrogen,

F, Cl, Br, I,

XOH, XOR⁴, XOCOR⁴, XOCOHR⁴, XOCOOR⁴,

XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R⁴, XC(NO(COR⁴))R⁴,

XCN, XCOOH, XCOOR⁴, XCONH₂, XCONHR⁴, XCONR⁴R⁴, XCONHOH,

XCONHOR⁴, XCOSR⁴, XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴,

SO₂NR⁴R⁴,

NO₂, XNH₂, XNHR⁴, XNR⁴R⁴,

XNHSO₂R⁴, XNR⁴SO₂R⁴, XN(SO₂R⁴)(SO₂R⁴),

XNHCOR⁴, XNHCOOR⁴, XNHCONHR⁴, tetrahydro-2,5-

dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl,

2,7-dihydro-2,7-dioxoisoindol-1-yl, or R³ can be R⁴,

whereby two substituents at R³, if they are in ortho-position to one another, can be linked to one another

in such a way that they jointly form methanediylbisoxy, ethane-1,2-diylbisoxy, propane-1,3-diyl, butane-1,4-diyl,

R⁴ and R⁴', independently of one another, mean C₁₋₄

perfluoroalkyl, C₁₋₆ alkyl, C₂₋₆ alkenyl, C₂₋₆ alkinyl, C₃-

₇ cycloalkyl, (C₁₋₃ alkyl-C₃₋₇ cycloalkyl), C₁₋₃ alkyl-C₆₋₁₀

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cont

aryl, C_{1-3} alkyl-5 to 10-membered heteroaryl, with 1-4 N, S or O atoms, C_{6-10} aryl or 5- to 10-membered heteroaryl with 1-4 N, S or O atoms, whereby the aryl and heteroaryl groups can be substituted with one or two substituents from the group that consists of F, Cl, Br, CH_3 , C_2H_5 , NO_2 , OCH_3 , OC_2H_5 , CF_3 , C_2F_5 or else can carry an annelated methanediylbisoxo group or ethane-1,2-diylbisoxo group, and in addition in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl,

R^5 and $R^{5'}$, independently of one another, mean C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkinyl, whereby a carbon atom can be exchanged for O, S, SO, SO_2 , NH, N C_{1-3} alkyl or N C_{1-3} alkanoyl,

C_{3-7} cycloalkyl- C_{0-3} alkyl, whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl,

C_{6-10} aryl or 5- to 10-membered heteroaryl with 1-4 heteroatoms from N, S, and O, whereby the mentioned alkyl, alkenyl and alkinyl chains can be substituted

(1)
(2)
(3)

with one of the previously mentioned cycloalkyls, aryls or heteroaryls,

whereby all previously mentioned alkyl and cycloalkyl radicals with up to two substituents consisting of CF_3 , C_2F_5 , OH , O C_{1-3} alkyl, NH_2 , NH C_{1-3} alkyl, NH C_{1-3} alkanoyl, $\text{N}(\text{C}_{1-3}\text{ alkyl})_2$, $\text{N}(\text{C}_{1-3}\text{ alkyl})(\text{C}_{1-3}\text{ alkanoyl})$, COOH , CONH_2 , COO C_{1-3} alkyl and all previously mentioned aryl and heteroaryl groups can be substituted with one or two substituents from the group that consists of F , Cl , Br , CH_3 , C_2H_5 , NO_2 , OCH_3 , OC_2H_5 , CF_3 , C_2F_5 or else can carry an annelated methanediylbisoxo, ethane-1,2-diylbisoxo group,

or R^5 and $\text{R}^{5'}$ together with the nitrogen atom form a 5-to 7-membered heterocyclic compound, which can contain another oxygen, nitrogen or sulfur atom and can be substituted with C_{1-4} alkyl, C_{1-4} alkoxy- C_{0-2} alkyl, C_{1-4} alkoxy-carbonyl, aminocarbonyl or phenyl,

A means C_{1-10} alkanediyl, C_{2-10} alkenediyl, C_{2-10} alkinediyl, (C_{0-5} alkanediyl- C_{3-7} cycloalkanediyl- C_{0-5} alkanediyl), whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl, whereby in the above-mentioned aliphatic chains, a carbon atom or two carbon atoms can be exchanged for O, NH, N C_{1-3} alkyl, N C_{1-3} alkanoyl, and whereby alkyl or

*for
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C1*

cycloalkyl groups can be substituted with up to two substituents consisting of =O, OH, O C₁₋₃ alkyl, NH₂, NH C₁₋₃ alkyl, NH C₁₋₃ alkanoyl, N (C₁₋₃ alkyl)₂, N(C₁₋₃ alkyl) (C₁₋₃ alkanoyl),

B means COOH, COOR⁵, CONH₂, CONHNH₂, CONHR⁵, CONR⁵R^{5'}, CONHOH, CONHOR⁵, SO₃H, SO₂NH₂, SO₂NHR⁵, SO₂NR⁵R^{5'}, PO₃H, PO(OH)(OR⁵), PO(OR⁵)(OR^{5'}), PO(OH)(NHR⁵), PO(NHR⁵)(NHR^{5'}), tetrazolyl,

in each case bonded to a carbon atom of group A, or the entire group Y-A-B N(SO₂R⁴) (SO₂R^{4'}) or NSO₂R⁴,

X means a bond, CH₂, (CH₂)₂, CH(CH₃), (CH₂)₃, CH(CH₂CH₃), CH(CH₃)CH₂, CH₂CH(CH₃),

Y means O, NH, NR⁴, NCOR⁴, NSO₂R⁴,

provided that if Y means NH, NR⁴, NCOR⁴ or NSO₂R⁴, and

a) substituent R² contains a nitrogen-containing, saturated heterocyclic compound, this heterocyclic compound is not substituted in the imine nitrogen with H, methyl, ethyl, propyl or isopropyl,
or

b) in optionally present groups XNHR⁴ or XNR⁴R^{4'} of substituent R², R⁴ and/or R^{4'} does not mean C₁₋₄ alkyl, that B does not mean COOH, SO₃H, PO₃H₂ or tetrazolyl at the same time, and R¹ and R², independently of one another, mean C₅₋₆ heteroaryl or phenyl, if the latter, independently of one another, are unsubstituted, or are substituted simply with C₁₋₆

alkyl, C₁₋₄ perfluoroalkyl, O C₁₋₆ alkyl, O C₁₋₄ perfluoroalkyl, COOH, COO C₁₋₆ alkyl, CO C₁₋₆ alkyl, CONH₂, CONHR⁴, NO₂, NH₂, NHCOR⁴, NHSO₂R⁴, or with 1 or 2 halogen atoms from the group that consists of F, Cl, Br, and I, and whereby the following compounds are excluded:

[(1,2-Diphenyl-1H-benzimidazol-6-yl)oxy]acetic acid methyl ester,

5- [(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]pentanoic acid methyl ester,

4- [(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]butanoic acid ethyl ester,

5- [[1- (4-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy] - pentanoic acid methyl ester,

6- [[1- (4-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester,

5- [[1- (4-aminophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester,

5- [[1- [4- [(4-chlorophenyl)sulfonyl]amino]phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester,

5- [[1- [4- [(acetyl)amino]phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester

5- [[1- (3-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester,

6- [[1- (3-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester,

5- [[1- (3-aminophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester,

M
B
W

5-[[1-[3-[(4-chlorophenyl)sulfonyl]amino]phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester,

5-[[1-[3-[(acetyl)amino]phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester.

2. Benzimidazoles according to claim 1, characterized in
that

S
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R^1 means a monocyclic or bicyclic C_{6-12} aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-2 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br,

XOH, XOR^4 , $XOCOR^4$, $XOCONHR^4$, $XOCOQR^4$,
 $XCOR^4$, XCN, XCOOH, $XCOOR^4$, $XCONH_2$, $XCONR^4R^4'$, $XCONHR^4$,
 $XCONHOH$, $XCONHOR^4$, $XCOSR^4$, XSR^4 , NO_2 , $XNHR^4$, XNR^4R^4' , R^4 ,
whereby two substituents at R^1 , if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl.

3. Benzimidazoles according to claim 1 or 2, wherein
 R^2 means a monocyclic or bicyclic C_{6-10} aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-2 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or

heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br,

XOH, XOR⁴, XOCOR⁴, XOCOHR⁴, XOCOOR⁴,
 XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R^{4'}, XC(NO(COR⁴))R^{4'},
 XCOOH, XCOOR⁴, XCONH₂, XCONHR⁴, XCONR⁴R^{4'}, XCONHOH,
 XCONHOR⁴, XCOSR⁴,
 XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R^{4'},
 NO₂, XNHR⁴, XNR⁴R^{4'}, XNHSO₂R⁴, XN(SO₂R⁴)SO₂R^{4'}, XNR⁴SO₂R^{4'},
 R⁴,

whereby two substituents at R², if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxy, ethane-1,2-diylbisoxy, propane-1,3-diyl, butane-1,4-diyl.

4. Benzimidazoles according to one of claims 1-3, wherein R³ means one or two substituents, which, independently of one another, can be:

hydrogen, F, Cl, Br,

XOH, XOR⁴, XOCOR⁴, XOCOHR⁴, XOCOOR⁴,
 XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R^{4'}, XC(NO(COR⁴))R^{4'},
 XCN, XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R^{4'},
 NO₂, XNH₂, XNHR⁴, XNR⁴N^{4'},
 XNHSO₂R⁴, XNR⁴SO₂R^{4'}, XN(SO₂R⁴)SO₂R^{4'},
 XNHCOR⁴, XNHCOOR⁴, XNHCONHR⁴, or R⁴, whereby two substituents R³, if they are in ortho-position to one

another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, or butane-1,4-diyl.

5. Benzimidazoles according to one of claims 1-4, wherein R⁴ and R^{4'}, independently of one another, mean CF₃, C₂F₅, C₁₋₄ alkyl, C₂₋₄ alkenyl, C₂₋₄ alkinyl, C₃₋₆ cycloalkyl, (C₁₋₃ alkyl-C₃₋₆ cycloalkyl), phenyl or 5- to 6-membered heteroaryl with 1-2 N, S or O atoms, whereby the phenyl and heteroaryl groups can be substituted with one or two substituents from the group that consists of F, Cl, Br, CH₃, C₂H₅, OCH₃, OC₂H₅, CF₃, C₂F₅, and in addition in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C₁₋₃ alkyl or C₁₋₃ alkanoyl.

6. Benzimidazoles according to one of claims 1-5, wherein R⁵ and R^{5'}, independently of one another, can be C₁₋₆ alkyl, whereby a carbon atom can be exchanged for O, NH, N C₁₋₃ alkyl, N C₁₋₃ alkanoyl, C₃₋₇ cycloalkyl-C₀₋₃ alkyl, whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C₁₋₃ alkyl or C₁₋₃ alkanoyl, whereby the mentioned C₁₋₆ alkyl part can be substituted with one of the previously mentioned

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cycloalkyls or else a 5- to 6-membered heteroaromatic compound with 1-2 heteroatoms, selected from N, S or O, whereby all previously mentioned alkyl and cycloalkyl parts can be substituted with up to two substituents that consist of CF_3 , OH, O C_{1-3} alkyl, and the previously mentioned heteroaryl groups with one or two substituents that consist of F, Cl, CF_3 , CH_3 , C_2H_5 , OCH_3 , OC_2H_5 , or R^5 and R^5' together with the nitrogen atom form a 5- to 7-membered heterocyclic compound, which can contain another oxygen, nitrogen or sulfur atom and can be substituted with C_{1-4} alkyl, C_{1-4} alkoxy- C_{0-2} alkyl, C_{1-4} alkoxy-carbonyl, aminocarbonyl or phenyl.

7. Benzimidazoles according to one of claims 1-6, wherein
- A** means C_{1-10} alkanediyl, C_{2-10} alkenediyl, C_{2-10} alkinediyl, (C_{0-5} alkanediyl- C_{3-7} cycloalkanediyl- C_{0-5} alkanediyl), whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O, or in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl, whereby in the above-mentioned aliphatic chains, a carbon atom or two carbon atoms can be exchanged for O, NH, N C_{1-3} alkyl, or N C_{1-3} alkanoyl.
8. Benzimidazoles according to one of claims 1-7, wherein
- B** means COOH, COOR^5 , CONH_2 , CONHR^5 , $\text{CONR}^5\text{R}^5'$, CONHOH, CONHOR^5 or tetrazolyl,
in each case bonded to a carbon atom of group **A**.

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9. Benzimidazoles according to one of claims 1-8, wherein

X means a bond or methylene.

10. Benzimidazoles according to one of claims 1-9, wherein

Y means O.

11. [(1,2-Diphenyl-1H-benzimidazol-6-yl)oxy]acetic acid

isopropyl ester

3-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]propanoic acid

methyl ester

2-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]propanoic acid

methyl ester

4-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]butanoic acid

isopropyl ester

5-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]pentanoic acid

isopropyl ester

6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanoic acid

methyl ester

6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanoic acid

isopropyl ester

6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-methoxy-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-(phenylmethoxy)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-hydroxy-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

7-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]heptanoic acid
methyl ester

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Cont.

~~6-[[1-(3-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[2-phenyl-1-[3-(trifluoromethyl)phenyl]-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

~~6-[[2-phenyl-1-[3-(trifluoromethyl)phenyl]-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[1-(3-cyanophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

~~6-[[1-(3-cyanophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[1-(3-cyanophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid~~

~~6-[[1-(4-cyanophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

~~6-[[1-(4-cyanophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[1-(3-chlorophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

~~6-[[1-(3-chlorophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[1-(4-chlorophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

~~6-[[1-(4-chlorophenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid isopropyl ester~~

~~6-[[1-(3-methylphenyl)-2-phenyl-1H-benzimidazol-6-yloxy]hexanoic acid methyl ester~~

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cont.*

6-[[1-(3-methylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid isopropyl ester

6-[[1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid isopropyl ester

6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-(3,5-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-(3,5-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid isopropyl ester

6-[[1-(3-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-(3,4-dimethoxyphenyl)-2-phenyl-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[1-[3,4-(methylenedioxy)phenyl]-2-phenyl-1H-benzimidazol-
6-yl]oxy]hexanoic acid methyl ester

6-[[1-[3,4-(methylenedioxy)phenyl]-2-phenyl-1H-benzimidazol-
6-yl]oxy]hexanoic acid

6-[[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-
yl]oxy]hexanoic acid methyl ester

6-[[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-
yl]oxy]hexanoic acid

6-[[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1-[4-(N,N-dimethylamino)phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-[4-(N,N-dimethylamino)phenyl]-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid

6-[[1-phenyl-2-[3-(trifluoromethyl)phenyl]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[2-(3-chlorophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-(3-chlorophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[2-(4-chlorophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-(4-chlorophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[2-(4-methylphenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-(4-methylphenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1-phenyl-2-(4-pyridinyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[(1,2-diphenyl-5-nitro-1H-benzimidazol-6-yl)oxy]hexanoic acid methyl ester

6-[(1,2-diphenyl-5-nitro-1H-benzimidazol-6-yl)oxy]hexanoic acid isopropyl ester

Sub C4 cont.

6-[[5-[(4-bromophenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1,2-diphenyl-5-[(3-methylphenyl)sulfonyl]amino]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1,2-diphenyl-5-[(4-methylphenyl)sulfonyl]amino]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1,2-diphenyl-5-[(4-methoxyphenyl)sulfonyl]amino]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1,2-diphenyl-5-[[[(4-trifluoromethyl)phenyl)sulfonyl]amino]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-[[[4-(acetylamino)phenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-[[bis(3-chlorophenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[1,2-diphenyl-5-[(propylsulfonyl)amino]-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-[(benzylsulfonyl)amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

2-[2-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]ethoxy]acetic acid methyl ester

3-[2-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]ethoxy]propanoic acid methyl ester

Sub C4
cont.

6-[[1-(3-nitrophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid ethyl ester

6-[[4-acetyl-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-5-yl]oxy]hexanoic acid methyl ester

6-[[2-phenyl-1-[4-(thiomethyl)phenyl]-1H-benzimidazol-5-yl]oxy]hexanoic acid methyl ester

6-[[2-phenyl-1-[(4-(thiomethyl)phenyl]-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-phenyl-1-(3-thienyl)-1H-benzimidazol-5-yl]oxy]hexanoic acid methyl ester

6-[[2-phenyl-1-(3-thienyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

4-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]butanoic acid methyl ester

N-(phenylmethoxy)-6-[[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-yl]oxy]-hexanamide

N,N-dimethyl-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isopropyl-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]-1-pyrrolidin-1-ylhexan-1-one

5-[[5-[[4-chlorophenyl]sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester

- Sub
C4
cont.
- 6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[4-(acetyloxy)-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[4-hydroxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[4-hydroxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid
- 6-[[7-methyl-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
12. 6-[[2-Phenyl-1-(3-pyridyl)-1H-benzimidazol-5-yl]oxy]hexanoic acid methyl ester
- 6-[[2-phenyl-1-(3-pyridyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[2-phenyl-1-(4-pyridyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[2-(4-fluoro-phenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[2-(4-methoxyphenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[2-(4-bromophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester
- 6-[[2-[4-(trifluoromethyl)phenyl]-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-phenyl-2-(benzothien-2-yl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-phenyl-2-(benzothien-2-yl)-1H-benzimidazol-6-yl]oxy]hexanoic acid

6-[[5-hydroxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-hydroxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid

6-[[5-methoxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid isopropyl ester

6-[[5-hydroxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-methoxy-1-(4-methylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-[(4-chlorophenyl)sulfonyl]amino]-2-(4-fluorophenyl)-1-(4-methoxyphenyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(4-methoxyphenyl)-2-(4-methoxyphenyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

4-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]butanoic acid methyl ester

5-[[5-[(4-chlorophenyl)sulfonyl]amino]-1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester

5-[[5-[(4-chlorophenyl)sulfonyl]amino]-1,2-diphenyl-1H-benzimidazol-6-yl]oxy]pentanoic acid methyl ester

6-[[5-[(4-(trifluoromethyl)phenyl)sulfonyl]amino]-1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[5-[(4-chlorophenyl)sulfonylmethylamino]-1-(4-methoxyphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(indan-5-yl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(indan-5-yl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid

6-[[1-(3-fluorophenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-(4-nitrophenyl)-1-phenyl-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-phenyl-2-(3-pyridinyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

N-(cyclopropylmethoxy)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isobutoxy-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-(cyclopropylmethoxy)-6-[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-yl]oxy]-hexanamide

N-isobutoxy-6-[2-phenyl-1-(3,4,5-trimethoxyphenyl)-1H-benzimidazol-6-yl]oxy]hexanamide

N-(2-methoxyethyl)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-(3-methoxypropyl)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isobutyl-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]-1-morpholin-1-ylhexan-1-one

N,N-di(-2-methoxyethyl)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isopentyl-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-(pyridin-2-yl)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-(pyridin-3-yl)-6-[(1,2-diphenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isopropyl-6-[(1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N,N-dimethyl-6-[(1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N,N-diethyl-6-[(1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-isobutyl-6-[(1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-cyclopropyl-6-[(1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl)oxy]hexanamide

N-cyclobutyl-6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanamide

N-tert-butyl-6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanamide

(R)-6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]1-(2-methoxymethyl)-pyrrolidin-1-ylhexan-1-one

N-(3-imidazol-1-yl-propyl)-6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanamide

N-(2-pyridin-2-ylethyl)-6-[[1-(3,4-dimethylphenyl)-2-phenyl-1H-benzimidazol-6-yl]oxy]hexanamide

N-(3-methoxypropyl)-6-[[1-(indan-5-yl)-2-phenyl-1H-benzimidazol-6-yl]oxy]heptanamide

6-[[1-(4-methylphenyl)-2-(3-pyridyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(4-pyridyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(2-thienyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(3-thienyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[2-(3-indolyl)-1-(4-methylphenyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(2-furyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(3-furyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

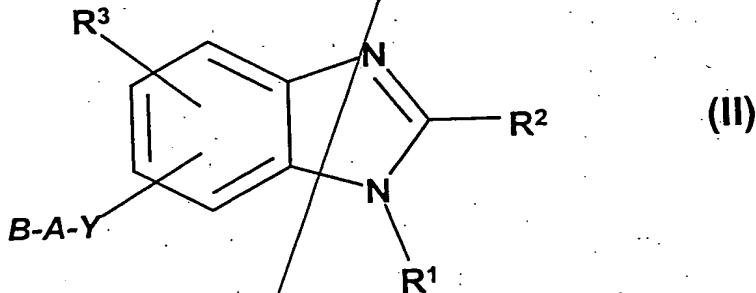
6-[[1-(4-methylphenyl)-2-(5-methyl-2-thienyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester

6-[[1-(4-methylphenyl)-2-(3-methyl-2-thienyl)-1H-benzimidazol-6-yl]oxy]hexanoic acid methyl ester.

M 13. Use of a compound according to one of claims 1-12 for the production of a pharmaceutical agent for treating or preventing diseases that are associated with a microglia activation.

14. Pharmaceutical agent, wherein it contains one or more compounds according to one of claims 1-12 and one or more vehicles.

15. Use of a benzimidazole of general formula II



in which

R¹ means a monocyclic or bicyclic C₆₋₁₂ aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-4 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

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F , Cl , Br , I , $C(NH)NH_2$, $C(NH)NHR^4$, $C(NH)NR^4R^4'$,
 $C(NR^4)NH_2$, $C(NR^4)NHR^4'$, $C(NR^4)NR^4R^4'$, XOH , XOR^4 , $XOCOR^4$,
 $XOCONHR^4$, $XOCOOR^4$, $XCOR^4$, $XC(NOH)R^4$, $XC(NOR^4)R^4'$,
 $XC(NO(COR^4))R^4'$, XCN , $XCOOH$, $XCOOR^4$, $XCONH_2$, $XCONR^4R^4'$,
 $XCONHR^4$, $XCONHOH$, $XCONHOR^4$, $XCOSR^4$, XSR^4 , $XSOR^4$, XSO_2R^4 ,
 SO_2NH_2 , SO_2NHR^4 , $SO_2NR^4R^4'$, NO_2 , XNH_2 , $XNHR^4$, XNR^4R^4' ,
 $XNHSO_2R^4$, $XN(SO_2R^4)(SO_2R^4')$, $XNR^4SO_2R^4'$, $XNHCOR^4$, $XNHOOR^4$,
 $XNHCONHR^4$, tetrahydro-2,5-dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl, 2,7-dihydro-2,7-dioxoisoindol-1-yl, R^4 , whereby two substituents at R^1 , if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl,

R^2 means a monocyclic or bicyclic C_{6-10} aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-4 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br, I, C(NH)NH₂, C(NH)NHR⁴, C(NH)NR⁴R^{4'},
 C(NR⁴)NH₂, C(NR⁴)NHR^{4'}, C(NR⁴)NR⁴R^{4'}, XOH, XOR⁴, XOCOR⁴,
 XOCONHR⁴, XOCOOR⁴, XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R^{4'},
 XC(NO(COR⁴))R^{4'}, XCN, XCOOH, XCOOR⁴, XCONH₂, XCONR⁴R^{4'},
 XCONHR⁴, XCONHOH, XCONHOR⁴, XCOSR⁴, XSR⁴, XSOR⁴, XSO₂R⁴,
 SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R^{4'}, NO₂, XNH₂, XNHR⁴, XNR⁴R^{4'},

XNHSO₂R⁴, XN(SO₂R⁴)(SO₂R^{4'}), XNR⁴SO₂R^{4'',} XNHCOR⁴, XNHCOOR⁴, XNHCONHR⁴, tetrahydro-2,5-dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl, 2,7-dihydro-2,7-dioxoisoindol-1-yl, R⁴, whereby two substituents at R², if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediyl-bisoxy, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl,

R^3 stands for one or two substituents, which form, independently of one another:

hydrogen, F, Cl, Br, I, XOH, XOR⁴, XCOR⁴, XOCOR⁴, XOCOHR⁴, XOCOOR⁴, XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R⁴, XC(NO(COR⁴))R⁴, XCN, XCOOH, XCOOR⁴, XCONH₂, XCONHR⁴, XCONR⁴R⁴, XCONHOH, XCONHOR⁴, XCOSR⁴, XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R⁴, NO₂, XNH₂, XNHR⁴, XNR⁴R⁴, XNHSO₂R⁴, XNR⁴SO₂R⁴, XN(SO₂R⁴)(SO₂R⁴'), XNHCOR⁴, XNHCOOR⁴, XNHCONHR⁴, tetrahydro-2,5-dioxopyrrol-1-yl, 2,5-dihydro-2,5-dioxopyrrol-1-yl, 2,7-dihydro-2,7-dioxoisooindol-1-yl, R⁴, whereby two substituents at R³, if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl,

R^4 and $R^{4''}$, independently of one another, mean C_{1-4} perfluoroalkyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkinyl, C_{3-7} cycloalkyl, (C_{1-3} alkyl- C_{3-7} cycloalkyl), C_{1-3} alkyl- C_{6-10} aryl, C_{1-3} alkyl 5 to 10-membered heteroaryl, with 1-4

cont

N, S or O atoms, C₆₋₁₀ aryl or 5- to 10-membered heteroaryl with 1-4 N, S or O atoms, whereby the C₆₋₁₀ aryl and heteroaryl groups can be substituted with one or two substituents from the group that consists of F, Cl, Br, CH₃, C₂H₅, NO₂, OCH₃, OC₂H₅, CF₃, C₂F₅ or else can carry an annelated methanediylbisoxo group or ethane-1,2-diylbisoxo group, and in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C₁₋₃ alkyl or C₁₋₃ alkanoyl,

R^5 and $R^{5'}$, independently of one another, mean hydrogen, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkinyl, whereby a carbon atom can be exchanged for O, S, SO, SO_2 , NH, N C_{1-3} alkyl or N C_{1-3} alkanoyl,

C_{3-7} cycloalkyl- C_{0-3} alkyl, whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl,

C_{6-10} aryl or 5- to 10-membered heteroaryl with 1-4 heteroatoms from N, S, and O, whereby the mentioned alkyl, alkenyl and alkinyl chains can be substituted with one of the previously mentioned cycloalkyls, aryls or heteroaryls,

whereby all previously mentioned alkyl and cycloalkyl
 radicals with up to two substituents consisting of CF_3 ,
 C_2F_5 , OH , O C_{1-3} alkyl, NH_2 , NH C_{1-3} alkyl, NH C_{1-3}
 alkanoyl, $\text{N}(\text{C}_{1-3}\text{ alkyl})_2$, $\text{N}(\text{C}_{1-3}\text{ alkyl})(\text{C}_{1-3}\text{ alkanoyl})$,
 COOH , CONH_2 , COO C_{1-3} alkyl and all previously mentioned
 aryl and heteroaryl groups can be substituted with one
 or two substituents from the group that consists of F ,
 Cl , Br , CH_3 , C_2H_5 , NO_2 , OCH_3 , OC_2H_5 , CF_3 , C_2F_5 or else can
 carry an annelated methanediylbisoxo, ethane-1,2-
 diylbisoxo group, or R^5 and $\text{R}^{5'}$ together with the
 nitrogen atom form a 5-to 7-membered heterocyclic
 compound, which can contain another oxygen, nitrogen or
 sulfur atom and can be substituted with C_{1-4} alkyl, C_{1-4}
 alkoxy- C_{0-2} alkyl, C_{1-4} alkoxy-carbonyl, aminocarbonyl or
 phenyl,

- A means C_{1-10} alkanediyl, C_{2-10} alkenediyl, C_{2-10} alkinediyl,
 $(\text{C}_{0-5}\text{ alkanediyl-}\text{C}_{3-7}\text{ cycloalkanediyl-}\text{C}_{0-5}\text{ alkanediyl})$,
 $(\text{C}_{0-5}\text{ alkanediylarylene-}\text{C}_{0-5}\text{ alkanediyl})$, $(\text{C}_{0-5}\text{ alkanediyl-heteroarylene-}\text{C}_{0-5}\text{ alkanediyl})$,
 whereby the aryl and heteroaryl groups can be
 substituted with one or two substituents that consist
 of F , Cl , Br , CH_3 , C_2H_5 , NO_2 , OCH_3 , OC_2H_5 , CF_3 , C_2F_5 ,
 whereby in a 5-membered cycloalkyl ring, a ring member
 can be an N or an O , and in a 6- or 7-membered
 cycloalkyl ring, one or two ring members can be N
 and/or O , whereby ring nitrogens optionally can be
 substituted with C_{1-3} alkyl or C_{1-3} alkanoyl,

*Sub B2
cont*

whereby in the mentioned aliphatic chains, a carbon atom or two carbon atoms can be exchanged for O, NH, NR⁴, NCOR⁴, NSO₂R⁴,

and whereby alkyl or cycloalkyl groups can be substituted with up to two substituents consisting of F, OH, OR⁴, OCOR⁴, =O, NH₂, NR⁴R^{4'}, NHCOR⁴, NHCOOR⁴, NHCONHR⁴, NHSO₂R⁴, SH, SR⁴,

B means hydrogen, OH, OCOR⁵, OCONHR⁵, OCOOR⁵, COR⁵, C(NOH)R⁵, C(NOR⁵)R^{5'},

C(NO(COR⁵))R^{5'}, COOH, COOR⁵, CONH₂, CONHNH₂, CONHR⁵, CONR⁵R^{5'},

CONHOH, CONHOR⁵, SO₃H, SO₂NH₂, SO₂NHR⁵, SO₂NR⁵R^{5'}, PO₃H, PO(OH)(OR⁵), PO(OR⁵)(OR^{5'}), PO(OH)(NHR⁵),

PO(NHR⁵)(NHR^{5'}),

tetrazolyl, respectively bonded to a carbon atom of group A,

or the entire group Y-A-B N(SO₂R⁴)(SO₂R^{4'}) or NHSO₂R⁴,

X means a bond, CH₂, (CH₂)₂, CH(CH₃), (CH₂)₃, CH(CH₂CH₃), CH(CH₃)CH₂, CH₂CH(CH₃),

Y means a bond, O, S, SO, SO₂, NH, NR⁴, NCOR⁴, NSO₂R⁴, for the production of a pharmaceutical agent for treating or preventing diseases that are associated with a microglia activation.

16. Use according to claim 15, whereby in general formula II,

R¹ means a monocyclic or bicyclic aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl

*Sub B2
cont*

group with 1-2 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br,

XOH, XOR⁴, XOCOR⁴, XOCONHR⁴, XOCOOR⁴,

XCOR⁴, XCN, XCOOH, XCOOR⁴, XCONH₂, XCONR⁴R^{4'}, XCONHR⁴,

XCONHOH,

XCONHOR⁴, XCOSR⁴, XSR⁴, NO₂, XNHR⁴, XNR⁴R^{4'},

R⁴,

whereby two substituents at R¹, if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxo, ethane-1,2-diylbisoxo, propane-1,3-diyl, butane-1,4-diyl.

17. Use according to claim 15 or 16, whereby in general

Sub II

formula II,

R² means a monocyclic or bicyclic aryl group or a monocyclic or bicyclic 5- to 10-membered heteroaryl group with 1-2 heteroatoms selected from the group that consists of N, S or O, whereby the mentioned aryl group or heteroaryl group can be substituted with up to three of the following substituents, independently of one another:

F, Cl, Br, XOH, XOR⁴, XOCOR⁴, XOCONHR⁴, XOCOOR⁴,

XCOR⁴, XC(NOH)R⁴,

$\text{XC}(\text{NOR}^4)\text{R}^4'$, $\text{XC}(\text{NO}(\text{COR}^4))\text{R}^4'$, XCN , XCOOH , XCOOR^4 , XCONH_2 ,
 $\text{XCONR}^4\text{R}^4'$,

XCONHR^4 , XCONHOH , XCONHOR^4 , XCOSR^4 , XSR^4 , XSOR^4 , XSO_2R^4 ,
 SO_2NH_2 , SO_2NHR^4 , $\text{SO}_2\text{NR}^4\text{R}^4'$, NO_2 , XNH_2 , XNHR^4 , $\text{XNR}^4\text{R}^4'$,
 XNHSO_2R^4 ,

$\text{XN}(\text{SO}_2\text{R}^4)(\text{SO}_2\text{R}^4')$, $\text{XNR}^4\text{SO}_2\text{R}^4'$, XNHCOR^4 , XNHCOOR^4 ,
 XNHCONHR^4 , R^4 ,

whereby two substituents at R^2 , if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxyl, ethane-1,2-diylbisoxyl, propane-1,3-diyl, butane-1,4-diyl.

18. Use according to claims 15-17, whereby in general formula II

R^3 stands for one or two substituents, which independently of one another, mean:

hydrogen, F, Cl, Br, XOH, XOR⁴, XCOR⁴, XCONHR⁴, XOCOOR⁴, XCOR⁴, XC(NOH)R⁴, XC(NOR⁴)R^{4'}, XC(NO(COR⁴))R^{4'}, XCN, XSR⁴, XSOR⁴, XSO₂R⁴, SO₂NH₂, SO₂NHR⁴, SO₂NR⁴R^{4'}, NO₂, XNH₂, XNHR⁴, XNR⁴R^{4'}, XNHSO₂R⁴, XNR⁴SO₂R^{4'}, XN(SO₂R⁴)(SO₂R^{4'}), XNHCOR⁴, XNHCOOR⁴, XNHCONHR⁴, or R⁴, whereby two substituents R³, if they are in ortho-position to one another, can be linked to one another in such a way that they jointly form methanediylbisoxyl, ethane-1,2-diylbisoxyl, propane-1,3-diyl, butane-1,4-diyl.

19. Use according to claims 15-18, whereby in general formula II

R^4 and $R^{4''}$, independently of one another, mean CF_3 , C_2F_5 , C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, C_{3-6} cycloalkyl, (C_{1-3} alkyl- C_{3-6} cycloalkyl), C_{1-3} alkylaryl, C_{1-3} alkylheteroaryl, monocyclic aryl or 5- to 6-membered heteroaryl with 1-2 N, S or O atoms, whereby the aryl and heteroaryl groups can be substituted with one or two substituents from the group that consists of F, Cl, Br, CH_3 , C_2H_5 , NO_2 , OCH_3 , OC_2H_5 , CF_3 , C_2F_5 or else can carry an annelated methanediylbisoxo or ethane-1,2-diylbisoxo group, and in addition in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl.

20. Use according to claims 15-19, whereby in general formula II

R^5 and $R^{5'}$, independently of one another, can be C_{1-6} alkyl, whereby a carbon atom can be exchanged for O, NH, N C_{1-3} alkyl, N C_{1-3} alkanoyl, C_{3-7} cycloalkyl- C_{0-3} alkyl, whereby in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N and/or O, whereby ring nitrogens optionally can be substituted with C_{1-3} alkyl or C_{1-3} alkanoyl, whereby the

mentioned C₁₋₆ alkyl part can be substituted with one of the previously mentioned cycloalkyls or else a 5- to 6-membered heteroaromatic compound with 1-2 heteroatoms, selected from the group that consists of N, S or O, whereby all previously mentioned alkyl and cycloalkyl parts can be substituted with up to two substituents that consist of CF₃, OH, O C₁₋₃ alkyl, and the previously mentioned heteroaryl groups can be substituted with one or two substituents that consist of F, Cl, CF₃, CH₃, C₂H₅, OCH₃, OC₂H₅, or R⁵ and R^{5'} together with the nitrogen atom form a 5-to 7-membered heterocyclic compound, which can contain another oxygen, nitrogen or sulfur atom and can be substituted with C₁₋₄ alkyl, C₁₋₄ alkoxy-C₀₋₂ alkyl, C₁₋₄ alkoxy-carbonyl, aminocarbonyl or phenyl.

21. Use according to claims 15-20, whereby in general formula II

A means C₁₋₁₀ alkanediyl, C₂₋₁₀ alkenediyl, C₂₋₁₀ alkinediyl, (C₀₋₅ alkanediyl-C₃₋₇ cycloalkanediyl-C₀₋₅ alkanediyl), or (C₀₋₅ alkanediyl-heteroarylene-C₀₋₅ alkanediyl), whereby an optionally present heteroaryl group can be substituted with one or two substituents that consist of F, Cl, Br, CH₃, C₂H₅, NO₂, OCH₃, OC₂H₅, CF₃, C₂F₅, and in addition in a 5-membered cycloalkyl ring, a ring member can be an N or an O, and in a 6- or 7-membered cycloalkyl ring, one or two ring members can be N

and/or O, whereby ring nitrogens optionally can be substituted with C₁₋₃ alkyl or C₁₋₃ alkanoyl, whereby in an aliphatic chain, a carbon atom or two carbon atoms can be exchanged for O, NH, N C₁₋₃ alkyl, N C₁₋₃ alkanoyl, NSO₂ C₁₋₃ alkyl, and whereby alkyl or cycloalkyl parts can be substituted with up to two F atoms or one of the substituents that consists of OH, O C₁₋₃ alkyl, O C₁₋₃ alkanoyl, =O, NH₂, NH C₁₋₃ alkyl, N (C₁₋₃ alkyl)₂, NH C₁₋₃ alkanoyl, N (C₁₋₃ alkyl) (C₁₋₃ alkanoyl), NHCOO C₁₋₃ alkyl, NHCONH C₁₋₃ alkyl, NHSO₂ C₁₋₃ alkyl, SH, S C₁₋₃ alkyl.

22. Use according to claims 15-21, whereby in general formula II

B means hydrogen, OH, OCOR⁵, OCONHR⁵, OCOOR⁵, COOH, COOR⁵, CONH₂, CONHR⁵, CONR⁵R^{5'}, CONHOH, CONHOR⁵, or tetrazolyl, in each case bonded to a carbon atom of group A.

23. Use according to claims 15-22, whereby in general formula II,

X means a bond or CH₂.

24. Use according to claims 15-23, whereby in general formula II,

Y means a bond, O, S, NH, NR⁴, NCOR⁴ or NSO₂R⁴.

Add
B³

Add
C⁸